

Message Text

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ACTION EB-07

INFO OCT-01 CIAE-00 COME-00 DODE-00 NRC-05 NSAE-00 USIA-06

TRSE-00 EUR-12 ERDA-05 ISO-00 MC-02 L-03 PM-04 INR-07

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P 151409Z MAR 76

FM USMISSION OECD PARIS

TO SECSTATE WASH DC PRIORITY 1085

C O N F I D E N T I A L OECD PARIS 07587

EXCON

E.O. 11652: XGDS1

TAGS: EXTC, COCOM, UK, UR

SUBJECT: UK LONG-RANGE CIVIL AVIATION NAVIGATION

EQUIPMENT TO USSR, IL 1485

REF: COCOM DOC (76) 475

1. URGENCY REQUEST: 20 E3 INERTIAL SENSORS WITH ASSOCIATED POWER SUPPLY, INTERFACE, COMPUTER AND CONTROL/ DISPLAY UNITS FOR AEROFLOT FOR USE IN ILYUSHIN AIRCRAFT FLYING NORTH ATLANTIC. THIS EQUIPMENT WILL OPERATE IN CONJUNCTION WITH OMEGA NAVIGATION EQUIPMENT ALREADY INSTALLED IN AIRCRAFT. VALUE \$4.2 MILLION.

2. THE SYSTEM'S ACCURACY IS DEPENDENT ON THE CONTINUED AVAILABILITY OF OMEGA AND IS THUS LESS STRATEGICALLY SIGNIFICANT THAN A FULLY INTEGRAL INERTIAL NAVIGATION SYSTEM OF HIGH ACCURACY. THIS SYSTEM IS AN ALTERNATIVE TO THE CANADIAN REQUEST COCOM DOC (75) 768 TO WHICH US OBJECTED (SEE COCOM DOC (75) 9).

3. THE E3 INERTIAL SENSOR IS A GIMBALLED PLATFORM SYSTEM STABILIZED TO THE LOCAL HORIZONTAL USING 3 SINGLE DEGREE OF FREEDOM FLOATED GYROSCOPES AND WITH
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2 FORCE FEEDLOCK PENDULOUS ACCELEROMETERS SENSING

ACCELERATIONS IN THE HORIZONTAL PLANE. PITCH AXIS
MOVEMENT IS RESTRICTED TO PLUS-MINUS 60 DEGREES FROM
THE ZERO POSITION MAKING IT AN UNSUITABLE SYSTEM FOR
COMBAT APPLICATIONS. ADDITIONAL DESCRIPTIVE INFORMATION
BEING POUCHED MAR 17.

4. URGENCY PROCEDURE INVOKED AS AEROFLOT HAS ALREADY
EXPERIENCED LENGTHY DELAY IN ACQUIRING A SYSTEM AND
REQUIRE RAPID UK DECISION. CASE SCHEDULED FOR COCOM
MEETING MAR 16.

5. ACTION REQUESTED: US VIEWS ASAP BUT NOT LATER
THAN MAR 23.
TURNER

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: REMOTE SENSING, STRATEGIC TRADE CONTROLS, NAVIGATIONAL AIDS, EXCEPTIONS LIST
Control Number: n/a
Copy: SINGLE
Draft Date: 15 MAR 1976
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: BoyleJA
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1976OECDP07587
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: X1
Errors: N/A
Film Number: D760097-0152
From: OECD PARIS
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1976/newtext/t19760360/aaaacaxe.tel
Line Count: 75
Locator: TEXT ON-LINE, ON MICROFILM
Office: ACTION EB
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: BoyleJA
Review Comment: n/a
Review Content Flags:
Review Date: 23 APR 2004
Review Event:
Review Exemptions: n/a
Review History: RELEASED <23 APR 2004 by ElyME>; APPROVED <17 AUG 2004 by BoyleJA>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
04 MAY 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: UK LONG-RANGE CIVIL AVIATION NAVIGATION EQUIPMENT TO USSR, IL 1485
TAGS: ESTC, UK, UR, COCOM
To: STATE
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006